Acer LCD TV

AT3705-MGW

AT3705-DTV

AT3205-DTV

AT2605-DTV

User's Guide

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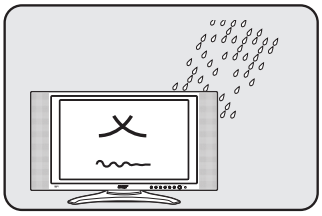
Important safety instructions

Read these instructions carefully. Please put them somewhere safe for future reference.

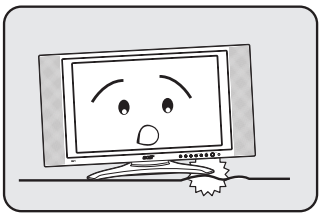
1 Follow all warnings and instructions marked on the product.

2 Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

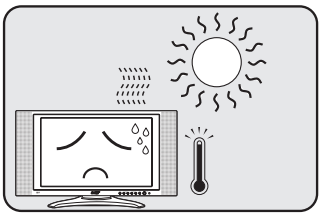
3 Do not use this product near water.



4 Do not place this product on an unstable cart, stand or table. The product may fall, sustaining serious damage.

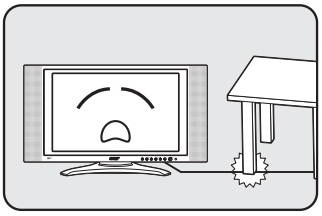


5 Slots and openings are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should never be placed near or over a radiator or heat register or in a built-in installation unless proper ventilation is provided.



6 This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

7 Do not allow anything to rest on the power cord. Do not locate this product where the cord will be stepped on.



8 If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed the fuse rating.

9 Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short-out parts, which could result in a fire or electric shock. Never spill liquid of any kind on the product.

10 Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.

11 Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

a. When the power cord or plug is damaged or frayed.

b. If liquid has been spilled into the product.

c. If the product has been exposed to rain or water.

d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls could result in damage; extensive work by a qualified technician might then be required to restore the product to normal condition.

e. If the product has been dropped or the case has been damaged.

f. If the product exhibits a distinct change in performance, indicating a need for service.

12 Use only the proper type of power supply cord set (provided in your accessories box) for this unit. Always disconnect the power cord from the wall outlet before servicing or disassembling this equipment.

13 Do not overload an electrical AC outlet, power strip, or convenience receptacle. The overall system load must not exceed 80% of the branch circuit rating. If power strips are used, the load should not exceed 80% of the power strip input rating.

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14 Some products are equipped with a three-wire electrical grounding-type plug that has a third pin for grounding. This plug only fits into a grounded electrical outlet. This is a safety feature. Make sure the AC outlet is properly grounded. Do not defeat the safety purpose of the grounding-type plug by trying to insert it into a non-grounded outlet. If you cannot insert the plug into the outlet, contact your electrician to replace the obsolete outlet.

The grounding pin is an important safety feature. It is possible to receive an electric shock from a system that is not properly grounded

The grounding pin is also providing good immunity ability against unexpected noise that interferes performance of this product and is produced by other nearby electrical devices.

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle.

For more information regarding WEEE, please refer to http://global.acer.com/about/environmental.htm

USA

For electronic products containing an LCD/CRT monitor or display:

Lamp(s) inside this product contain mercury and must be recycled or disposed of according to local, state or federal laws. For more information, contact the Electronic Industries Alliance at www.eiae.org. For lamp-specific disposal information, check www.lamprecycle.org.

FCC Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Notice: Peripheral devices

Only peripherals (input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this equipment. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this computer.

Operation conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme a la norme NMB-003 du Canada.

European Union (EU)

This device complies with the essential requirements of the European Council:

The EMC Directive 89/336/EEC as attested by conformity with the following harmonized standards:

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EN55013: 2001+A1: 2003: Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement.

EN55020: 2002+A1: 2003: Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement.

EN55022:1998/A1:2000; AS/NZS CISPR 22: 2002: Limits and methods of measurement of Radio Interference characteristics of Information Technology Equipment.

EN55024: 1998/A1: 2001; AS/NZS CISPR 24: 1997: Information technology equipment-Immunity characteristics - Limits and methods of measurement.

The Low Voltage Directive 73/23/EEC as attested by conformity with the following harmonized standard:

EN60065: 1998: Audio, video and similar electronic apparatus-safety requirements.

EN60950: 2000 3rd: Safety of Information Technology Equipment Including electrical business equipment.

LCD pixel statement

The LCD unit is produced with high-precision manufacturing techniques. Nevertheless, some pixels may occasionally misfire or appear as black or red dots. This has no effect on the recorded image and does not constitute a malfunction.

Radio device regulatory notice

Below regulatory information is for models with wireless LAN and/or Bluetooth only.

General

This product complies with the radio frequency and safety standards of any country or region in which it has been approved for wireless use. Depending on configurations, this product may or may not contain wireless radio devices (such as wireless LAN and/or Bluetooth modules). Below information is for products with such devices.

European Union (EU)

This device complies with the essential requirements of the European Council Directives listed below:

73/23/EEC Low Voltage Directive

- EN 60950
- EN 60065

89/336/EEC Electromagnetic Compatibility (EMC) Directive

- EN 55013
- EN 55020
- EN 55024
- EN 61000-3-2/-3

99/5/EC Radio & Telecommunications Terminal Equipment (R&TTE) Directive

- Art.3.1a) EN 60950
- Art.3.1b) EN 301 489 -1/-17
- Art.3.2) EN 300 328-2
- Art.3.2) EN 301 893 *applies to 5 GHz only

List of applicable countries

EU member states as of May 2004 are: Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal, Finland, Sweden, United Kingdom Estonia, Latvia, Lithuania, Poland, Hungary, Czech Republic, Slovak Republic, Slovenia, Cyprus and Malta. Usage allowed in the countries of European Union, as well as Norway, Switzerland, Iceland and Liechtenstein. This device must be used in strict accordance with the regulations and constraints in the country of use. For further information, please contact local office in the country of use.

The FCC RF safety requirement

The radiated output power of the wireless LAN Mini PCI Card and Bluetooth card is far below the FCC radio frequency exposure limits. Nevertheless, the notebook PC series shall be used in such a manner that the potential for human contact during normal operation is minimized as follows:

1. This device is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range. FCC requires this product to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems.

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2. High power radar are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.
3. An improper installation or unauthorized use may cause harmful interference to radio communications. Also any tampering of the internal antenna will void the FCC certification and your warranty.

Canada — Low-power license-exempt radiocommunication devices (RSS-210)

A. Common informationOperation is subject to the following two conditions:

1. This device may not cause interference, and

2. This device must accept any interference, including interference that may cause undesired operation of the device.

B. Operation in 2.4 GHz band

To prevent radio interference to the licensed service, this device is intended to be operated indoors and installation outdoors is subject to licensing.

C. Operation in 5 GHz band

- The device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel Mobile Satellite systems.
- High power radars are allocated as primary users (meaning they have priority) of 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LELAN (Licence-Exempt Local Area Network) devices.

Exposure of humans to RF fields (RSS-102)

The notebook PC series employs low gain integral antennas that do not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website at www.hc-sc.gc.ca/rpb.

Hg

Compliant with Russian regulatory certification

ME61

(for 5GHz device)

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First things first

We would like to thank you for making the Acer LCD TV your choice. With proper care, your new Acer LCD TV will provide you with years of entertainment and satisfaction.

This User's Guide introduces you to the various features your LCD TV can offer, and provides clear and concise information about the product, so please read it thoroughly and retain it for future reference.

Basic features and benefits of your Acer LCD TV

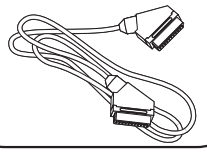
- Widescreen display with HDMI-/HD-ready display
- Four different picture-in-picture modes for simultaneous previewing of programs
- Remote control for ultimate convenience
- Gamma Correction for brilliant color
- 3D motion-adaptive de-interlacing for exquisite details up to 1080p
- DCTI, DLTI and 3D comb filtering for sharp and accurate images
- SRS WOW®, BBE® Digital and Dolby Digital® audio technology for awesome audio performance
- Acer Empowering Technology for selecting and defining personalized user preferences
- *Card reader for easy enjoyment of multimedia
- *Integrated media gateway for playback of PC content and web radio

* For MGW models only.

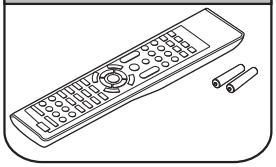
Packing checklist

Your LCD TV package should contain the following accessories, in addition to the accessory box. Please ensure that they are all present. If any of the items is missing, then please contact your retailer.

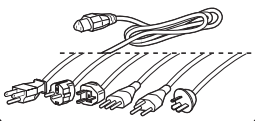
SCART cable (x1)



Remote control (x1)
AAA batteries (x2)



Power cord (x1)*



User's Guide
Quick Guide

Warranty card

LAN cable (x1)
(for MGW models)

Media Gateway CD
(for MGW models)

* The power cord supplied varies according to your region.

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English

Your LCD TV overview

Front panel view	
1	Volume up/down
2	Input key
3	Menu key
4	Channel up/down
5	Headphone jack
6	Video jack
7	Audio L/R jacks
8*	Card reader
9	Power ON/OFF

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AT3205-DTV
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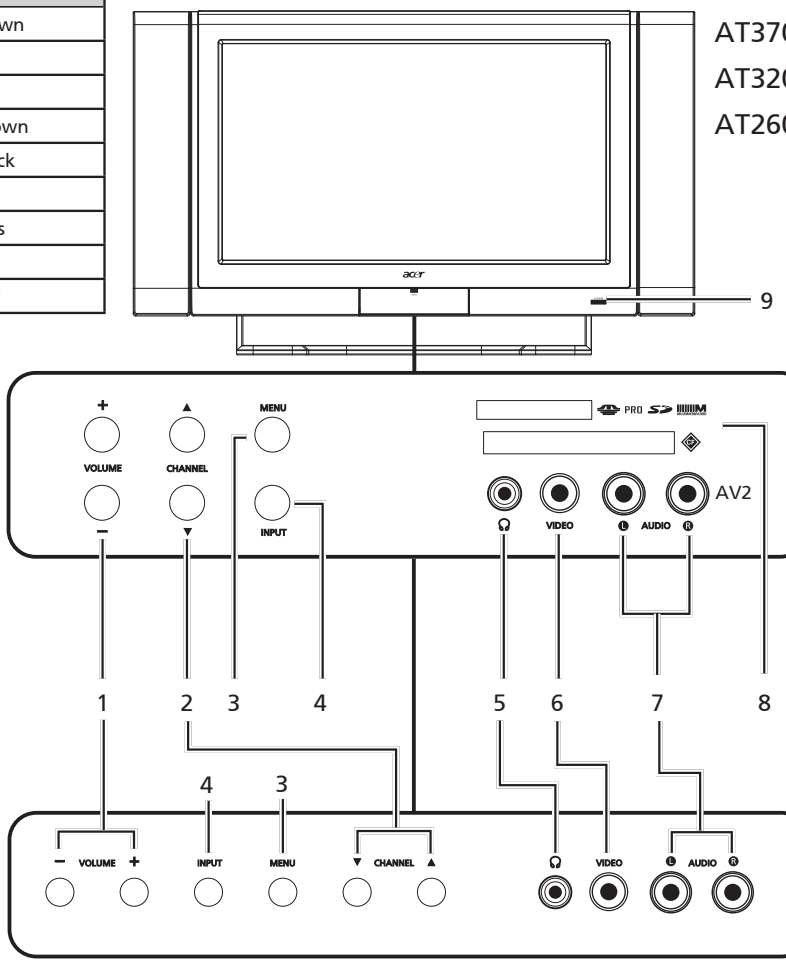

* Card reader for MGW models only.

1	VOLUME	Volume up	When the OSD is on, functions the same as the Right arrow
		Volume down	When the OSD is on, functions the same as the Left arrow
2	CHANNEL	Channel up	When the OSD is on, functions the same as the Up arrow
		Channel down	When the OSD is on, functions the same as the Down arrow
3	MENU	Menu key	Turns the OSD menu ON and OFF
4	INPUT	Input key	When the OSD is on, press this button to confirm selection

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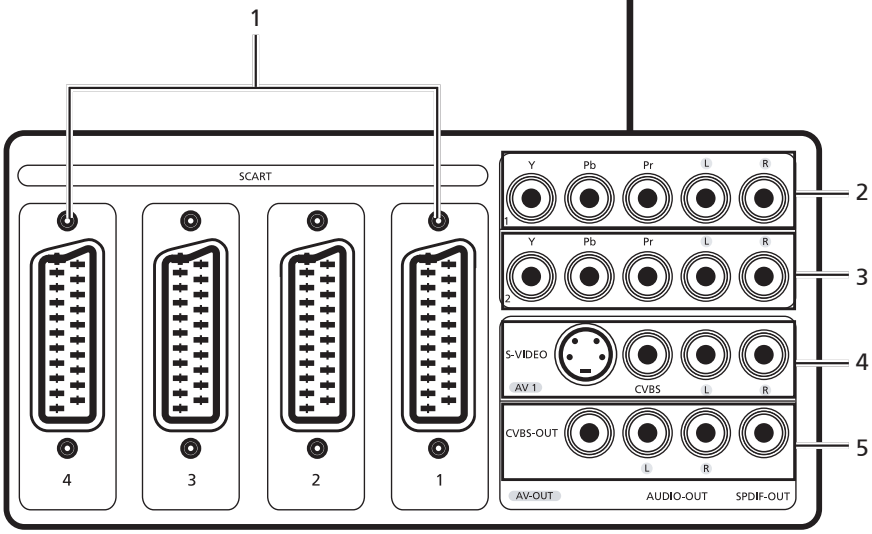
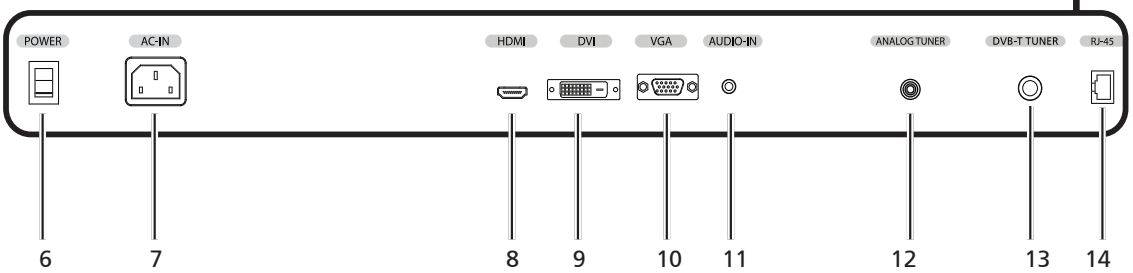
Rear panel view

1	SCART-in/out • SCART1/CVBS (in/out), S-video (in), RGB (in), Audio R/L • SCART2/CVBS (in/out), S-video (in), Audio R/L • SCART3/CVBS (in/out), S-video (in), RGB (in), Audio R/L • SCART4/CVBS (in/out), S-video (in), Audio R/L (*)
2	Component1-in
3	Component2-in (*)
4	AV1-in
5	AV-out



Bottom panel view

6	Power switch	11	Audio-in
7	AC-in	12	Analog antenna-in
8	HDMI-in	13	DVB-T antenna-in
9	DVI-in	14	RJ-45 (LAN)-in (**)
10	VGA-in		



* For AT3705 models only.

** RJ-45 (LAN)-in for MGW models only.

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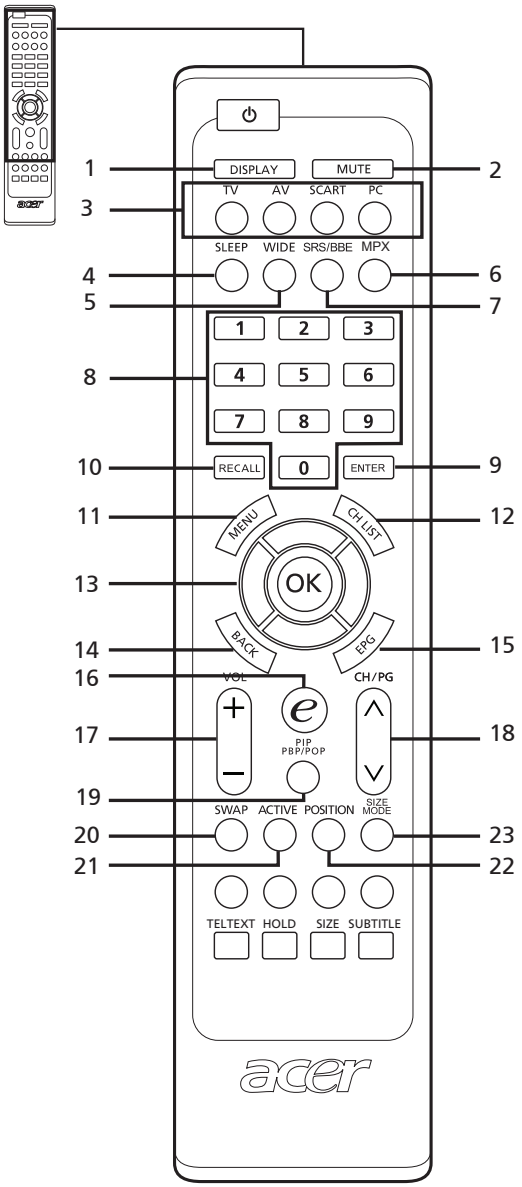
English

Remote control

General keys



1 **DISPLAY**
Press to display input/channel information (dependent on input/source type).

2 **MUTE**
Press to toggle audio on and off.

3 **Input buttons (TV/AV/SCART/PC)**
Press to select correct input mode.

4 **SLEEP**
Press to set a time period after which the TV will switch itself to standby (15, 30, 45, 60, 90 or 120 minutes).

5 **WIDE**
Press to toggle scaling mode between 4:3, 16:9, Panorama and Letterbox 1, 2, 3 modes.

6 **MPX**
Press to select the sound input, displayed in the top right-hand corner (mono, stereo, bilingual).

7 **SRS/BBE**
Press to toggle audio mode between Stereo, SRS and BBE modes.

8 **Number keys**.

9 **ENTER**
Press to confirm channel number selection.

10 **RECALL**
Press to return to the previous channel.

11 **MENU**
Press to open or close the Menu.

12 **CH LIST**
Press to launch the channel list. See page 29.

13 **Directional keys/OK**

14 **BACK**
Press to return to previous screen.

15 **EPG**
Press to launch Electronic Program Guide (EPG) mode (Digital TV mode only). See page 30.

16 **e (Empowering Technology)**
Press to activate Acer Empowering Technology. See page 20.

17 **VOL (+/-)**
Press to increase or decrease the volume.

18 **CH (up/down)**
Press to sequentially select the TV channel.

19 **PIP/PBP/POP**
Press to toggle between PIP/PBP/POP modes. See page 23.

20 **SWAP**
For PIP/PBP mode: Press to toggle between the primary and subscreens.

21 **ACTIVE**
Press to toggle between primary and subscreens.

22 **POSITION**
When in PIP mode: Change subscreen position.

23 **SIZE/MODE**
When in PIP mode: Change subscreen size.
When in POP mode: Switch POP mode from 1+5 to 1+12
See page 37.

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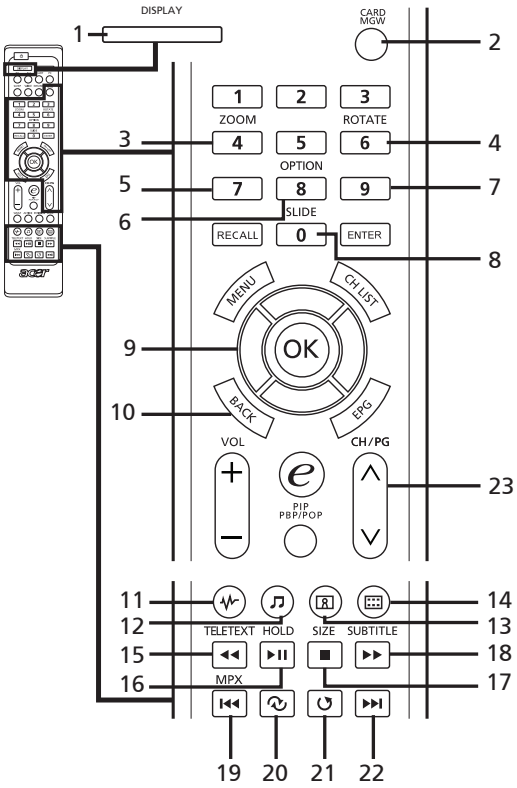
Card reader / media gateway keys (for AT3705 MGW only)



1 **DISPLAY**
Press to display input/channel information (dependent on input/source type).

2 **CARD/MGW**
Enable the card reader/media gateway functions.

3 **4 ZOOM**
Zoom in on the displayed picture.
Keep pressing to revert to the original size.

4 **6 ROTATE**
Rotates the displayed picture clockwise by 90 degrees each time.

5 **7 SOUND TRACKS**
Press to toggle between the different sound modes.

6 **8 OPTION**
Press to reveal the options for a selected item.

7 **9 PROGRAM**
Press to create an ad hoc playlist while in music mode.

8 **0 SLIDE**
Press to enter the slide show mode. Press again to pause.

9 **Directional keys/OK**
9-1 Navigate the OSD with the four directional keys.
Press OK to confirm selection or enter next screen.
9-2 Press to skip to a designated position in a video.

10 **Back**
Press to return to the previous screen.

11 **Online Media mode**
Shortcut to Online Media.

12 **Music mode**
Shortcut to Music mode.

13 **Picture mode**
Shortcut to Picture mode.

14 **Video mode**
Shortcut to Video mode.

15 **Rewind**
Press to rewind during music or video playback.

16 **Play/Pause**
Press to play/pause music or video.

17 **Stop**
Press to stop music or video playback.

18 **Fast Forward**
Press to fast forward during music or video playback.

19 **Previous**
Press to return to the previous music track or video.

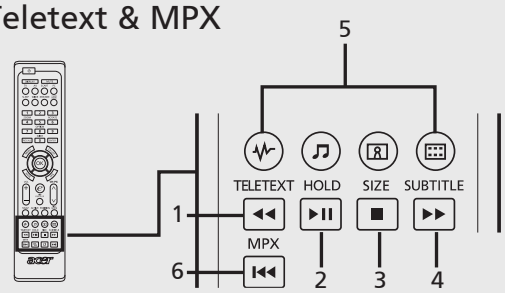
20 **Random**
Press to randomize song selection during audio playback.

21 **Repeat**
Press to repeat the current track. Press twice to repeat all.

22 **Next**
Press to advance to the next music track or video.

23 **CH/PG**
Page up/down.

Teletext & MPX



1 **TELETEXT**
Press to switch from TV/AV to Teletext mode.

2 **HOLD**
Press to pause the current teletext page in multi-page viewing mode.

3 **SIZE**
Press once to zoom teletext page to 2X.
Press again to resume.

4 **SUBTITLE**
Show subtitles on the screen.

5 **Color buttons (R/G/Y/B)**
Operates corresponding button on the teletext page.

6 **MPX**
Press to select the sound input, displayed in the top right-hand corner (mono, stereo, bilingual).
*Key position depends on TV model.

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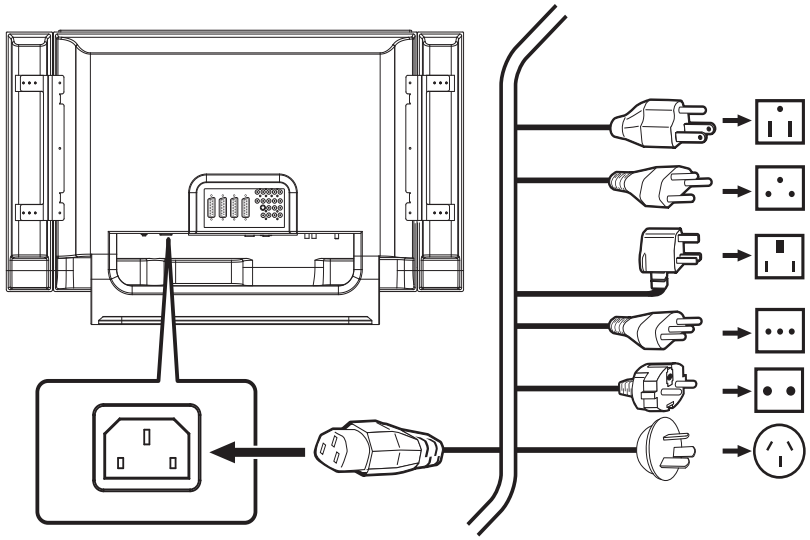
English

Basic connections

Connecting the power cord

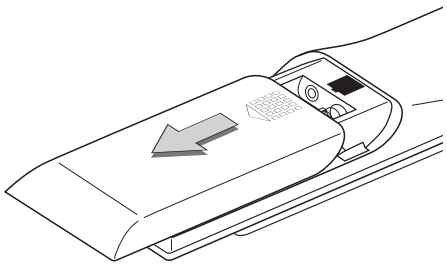
1 Connect the AC cord into the AC input on the back of the set.

2 Connect the plug to the wall outlet as shown.

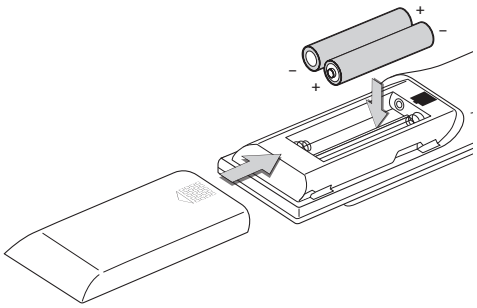


Setting up the remote control

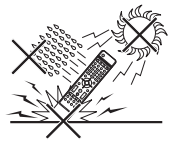
1 Open the cover on the back of the remote unit.



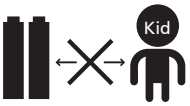
2 Insert two AAA batteries (supplied) to match the polarity indicated inside the battery compartment.



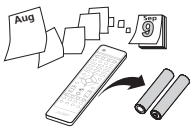
Looking after your remote control



- Handle the remote control with care. Dropping, wetting or placing the remote control in sunlight may damage it.



- Do not tamper with batteries. Keep them away from children.



- When you anticipate that the remote control will not be used for an extended period, remove the batteries to prevent possible damage as a result of battery leakage.

- Dispose of used batteries according to local regulations. Recycle if possible.

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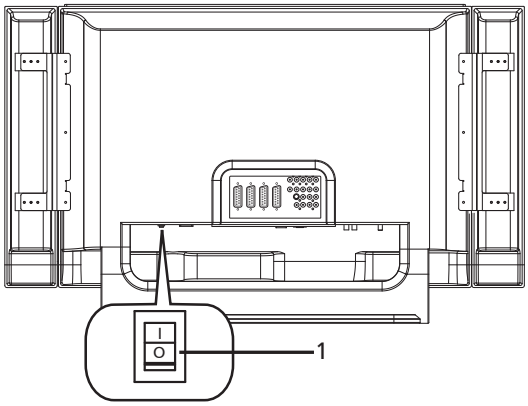
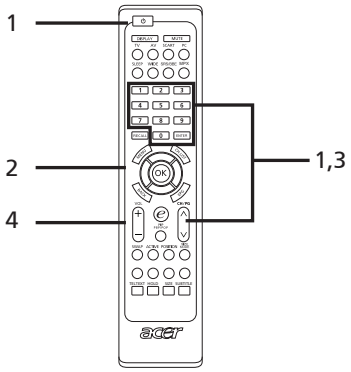
Enjoying analog and digital TV

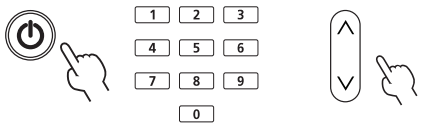
Connecting an antenna/cable

Connect the antenna cable to the appropriate antenna terminal on the back of the TV set as shown below.

Getting started watching your TV





1	Power	
		a. Turn on the power switch beneath the screen.
		b. Press the **power** button, **number** keys or **channel up/down** button on the remote control.
2	Setup Wizard	The first time you switch on the TV, the Setup Wizard will guide you to complete the language selection and channel scanning.
		Press the **OK** key to begin the setup process.

You can also adjust these settings using the front control panel. Please see "Front panel view" on page 8 for details.

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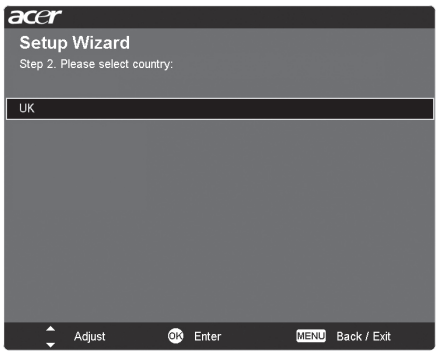
2

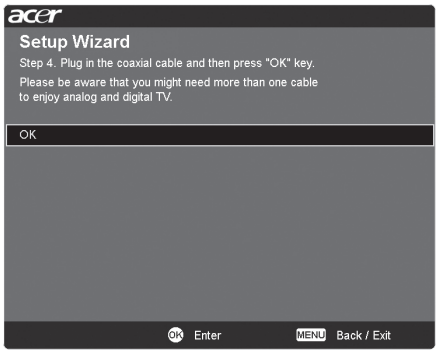
Setup Wizard

Step 1. Select the setup language you prefer.



Step 2. Please select country.

Step 3. Enter the correct local time and time zone using the remote control.


acer
Setup Wizard
Step 4. Plug in the coaxial cable and then press "OK" key.
Please be aware that you might need more than one cable to enjoy analog and digital TV.
OK
Enter
Back / Exit

Step 4. Ensure that your co-axial cables are connected correctly before proceeding (see page 13 for details).

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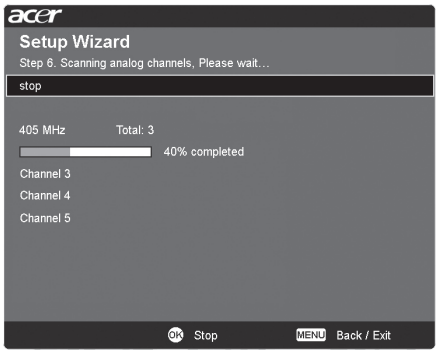
2 Setup Wizard

Step 5. Scan for digital channels.

If you do not have digital service, press **OK** to skip this stage. The onscreen menu will ask you for confirmation.



Step 6. Scan for analog channels.

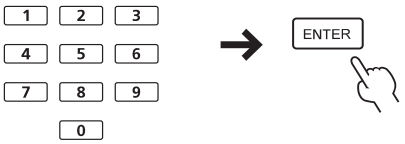
Step 7. Setup is now complete. You are ready to begin watching TV.

If you leave the setup process before it is complete, you will be given a choice of options:

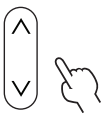
1. Resume setup
2. Resume setup at next startup
3. Exit and don't remind me

Select an option and press **OK** to exit.

3 Changing channels



a. Press 0-9 on the remote control to select a channel. The channel changes after 2 seconds. Press **ENTER** to select the channel immediately.



b. Pressing the channel (**CH**) up/down button on the remote control will also change the channel.

4 Adjusting the volume

Adjust the volume level using the volume (**VOL**) +/- button on the remote control.

Setup may vary due to local broadcast differences.

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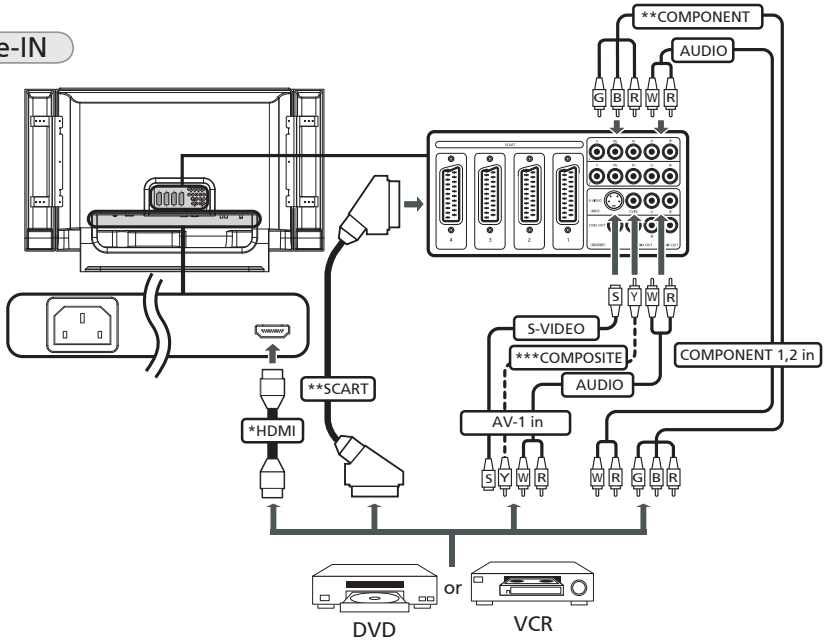
English

Connecting external audio/video devices

Connecting a DVD, VCR or audio/video equipment

Connect your DVD player, VCR or audio/video equipment using the SCART port located at the rear of your LCD TV as shown below.

Source-IN

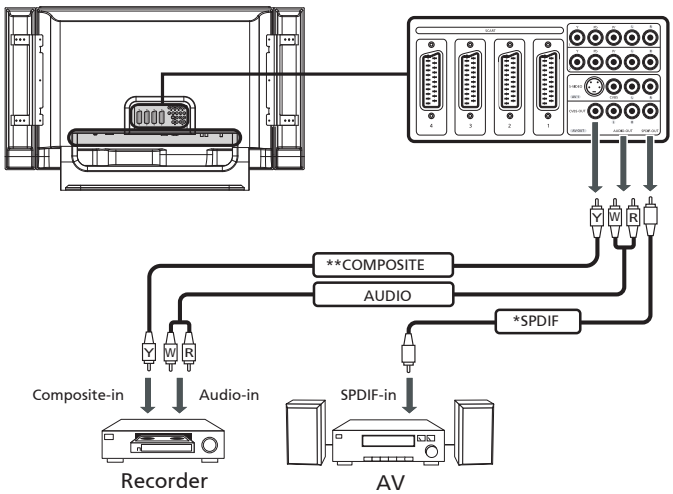


* If your audio/video device is HDMI-ready, it is recommended that you use the HDMI cable. The HDMI port is located under the back panel of your TV, as shown above.

** Acer recommends the following priority for connection types: HDMI -> Component -> SCART -> S-video -> Composite. (SCART4 and Co mponent2 for AT3705 models only.)

*** Use the composite cable if your equipment does not have S-video-out.

AV-OUT



* Acer recommends using the SPDIF connector to connect to your AV amplifier for 5.1 surround sound while watching digital TV programs, since your LCD TV supports Dolby digital sound. For details please see "audio effects" on page 32.

** Composite-out only works with analog broadcasts.

*** If you need the TV speakers to be turned off when connecting an external AV device, please use the OSD to set "Internal speaker" to "off".

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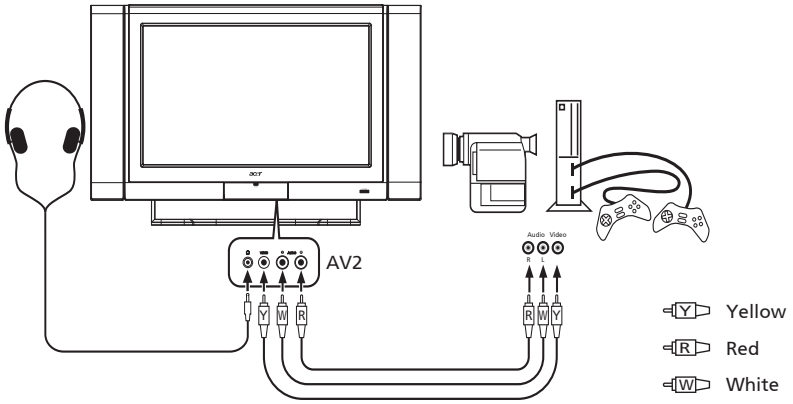
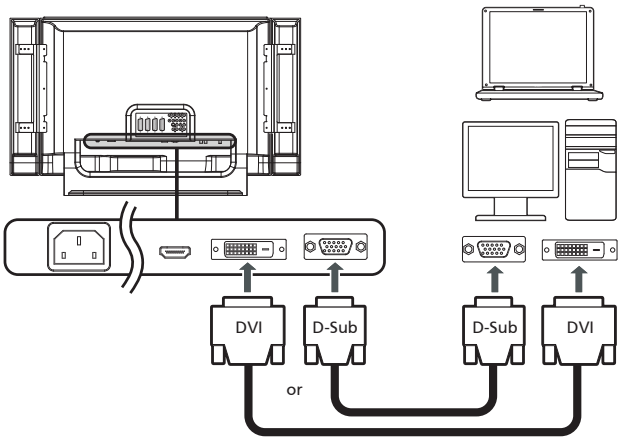
Connecting a camera, camcorder, video game or headphones

Connect your camera or camcorder to the video/audio ports on the bottom of the TV set as shown below.



Connecting a PC or notebook computer

To display PC output on your TV, connect your PC or notebook computer to the TV as shown below.



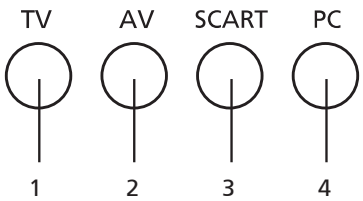
For VGA and DVI input, Acer recommends setting your PC's external monitor resolution to 1360 x 768 pixels @ 60 Hz refresh rate.

Selecting the input source

Once you have connected your antenna or external equipment to the TV, you need to select the correct input source.

Press the corresponding button on the remote control to select the correct input source.

Input button guide:



1 **TV key**
Toggle Digital TV (DTV) and Analog TV (ATV) between input sources.

2 **AV key**
Toggle AV1/AV2/Component1/Component2(*) and HDMI between input sources.

3 **SCART key**
Toggle SCART1/SCART2/SCART3 and SCART4(*) between input sources.

4 **PC key**
Toggle VGA and DVI between input sources.

* For AT3705 models only.

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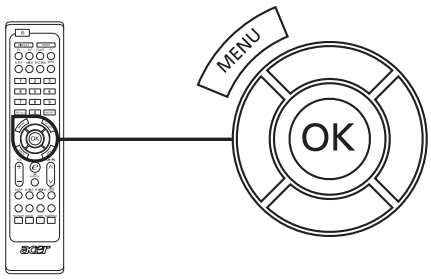
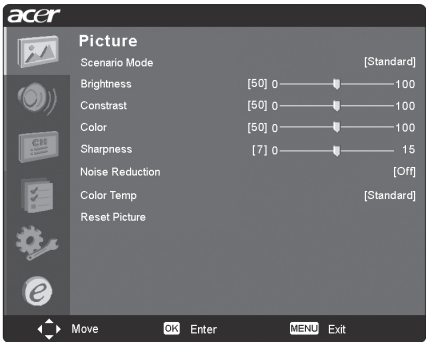
OSD navigation

Many of the advanced settings and adjustments are available through using the OSD (onscreen display) menus, as shown in the example screenshot below.

Basic operations required to navigate these menus (Picture, Audio, Channel management, Setting, Options, Empowering) are described in this section. The first time you access the OSD, you will be asked to choose your language settings.

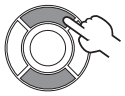
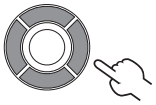
Navigating the OSD with the remote control





You can also interact with these menus using the front panel controls. Please see "Front panel view" on page 8 for details.

There are six main OSD menus. These are: Picture, Audio, Channel management, Options, Setting and Empowering. Use the following method to navigate these menus.

1		Press the **MENU** button on the remote control or the **MENU** button on the control panel.
2		Select your desired menu by using the up and down **directional keys** to switch between the six menus.
3		Use the **directional keys** to interact with the menu. The up/down directions will scroll through the menu options, while left/right will adjust the different settings (for example, in the Picture menu, settings such as brightness, contrast, etc.). Press **OK** to confirm. Press **MENU** to exit.

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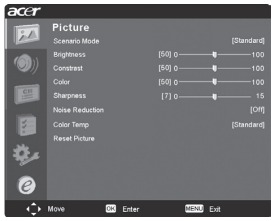
Adjusting the OSD settings

The OSD can be used for adjusting the settings of your LCD TV.

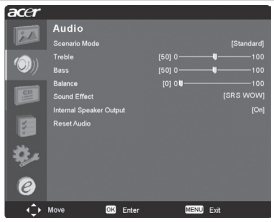
Press the **MENU** key to open the OSD. You can use the OSD to adjust the picture quality, audio settings, channel settings, general settings and the Empowering Technology settings. For advanced settings, please refer to following page:

Adjusting the picture quality



1. Press the **MENU** key to bring up the OSD.
2. Using the directional keys, select **Picture** from the OSD. Then navigate to the picture element you wish to adjust.
3. Use the left or right keys to adjust the sliding scales.
4. The **Picture** menu can be used to adjust the current Scenario mode, brightness, contrast, color, sharpness and other image-related qualities.

Adjusting the audio settings



1. Press the **MENU** key to bring up the OSD.
2. Using the directional keys, select **Audio** from the onscreen display. Then navigate to the feature you wish to adjust.
3. Use the left or right keys to adjust the sliding scales. Press **OK** to save.
4. The **Audio** menu can also be used to adjust the treble, balance, sound effects and other important sound-related settings

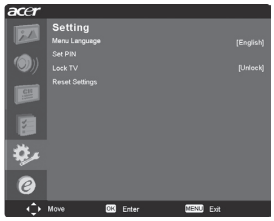
Adjusting the channel management

1. Press the **MENU** key to bring up the OSD.
2. Using the directional keys, select **Channel Management** from the OSD.
3. Use the directional keys to navigate the menus.
4. The **Channel Management** menu can be used to adjust, delete and reorder the channel list, add new services, and set the TV ratings.

Adjusting other options

1. Press the **MENU** key to bring up the OSD.
2. Using the directional keys, select **Options** from the OSD.
3. Use the directional keys to navigate the menus.
4. The **Options** menu can be used to select the picture aspect-ratio mode, and set the sleep timer.

Adjusting the settings



1. Press the **MENU** key to bring up the OSD.
2. Using the directional keys, select **Setting** from the OSD. Then navigate to the feature you wish to adjust.
3. The **Setting** menu can be used to adjust the menu language, time zone, set the PIN, the TV censorship levels, and other important settings.

The options available on the OSD may vary depending on the TV signal source. Some digital options may not be available with an analog signal and vice versa.

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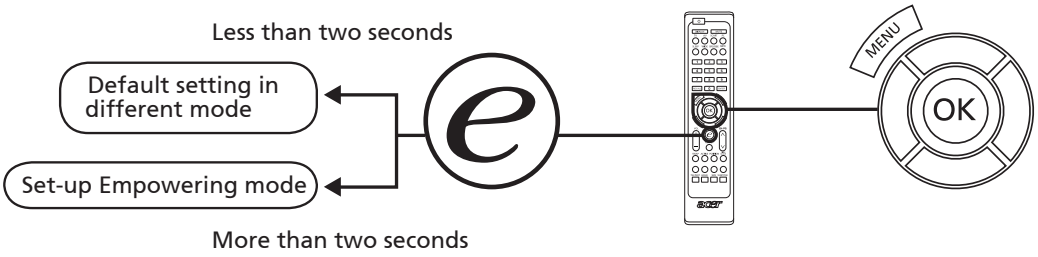
Empowering Technology



The Empowering Key opens up the Acer Empowering Technology functions.

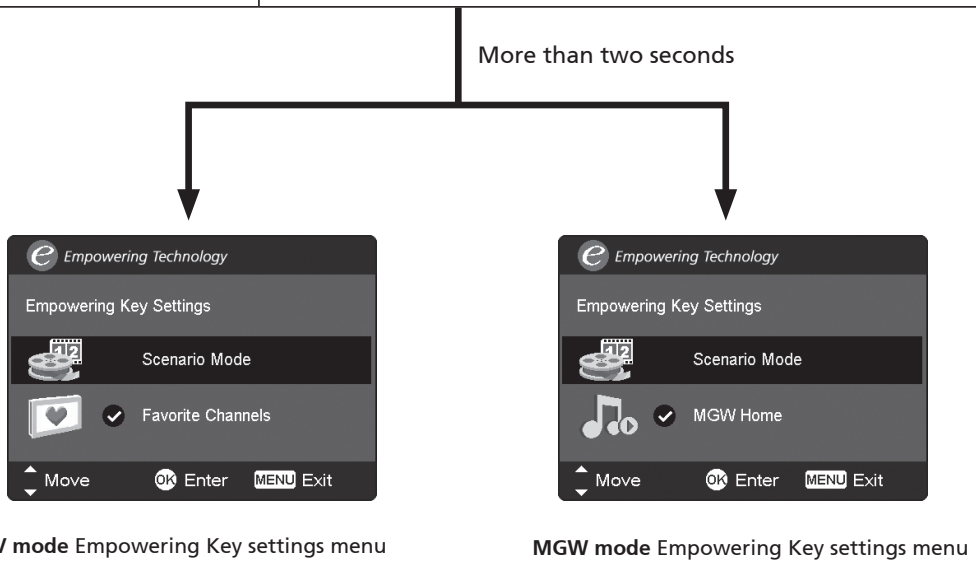
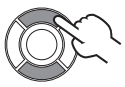
Empowering Technology has different functions depending on your current mode.

- In TV mode, the choice is between Scenario mode and Favorite channel; see page 21 for details.
- In MGW mode, the choice is between Scenario mode and Media Gateway; see page 22 for details. (for MGW models only)

The default setting for both modes is Scenario mode.

Set-up Empowering mode

To change your Empowering Key's default setting:

1		Press and hold the **Empowering Key** for more than **two seconds** to open the menu.
2	 More than two seconds Empowering Technology Empowering Key Settings Scenario Mode Favorite Channels Move OK Enter MENU Exit Empowering Technology Empowering Key Settings Scenario Mode MGW Home Move OK Enter MENU Exit **TV mode** Empowering Key settings menu **MGW mode** Empowering Key settings menu	
		Use the **directional keys** to navigate the menu and select the Empowering Technology icon.
3		Press **MENU** to exit. Now, when you press the Empowering Key, your chosen selection will be accessed.

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Default setting in different Empowering mode

Scenario mode in TV (default setting)

Scenario mode has five preset viewing modes designed to give you the best picture quality when watching a particular kind of program. There are five pre-defined audio and video settings for optimal enjoyment of the following scenarios: Standard TV, Movie, Game, Sports, Concert, User.

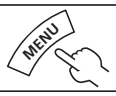
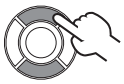
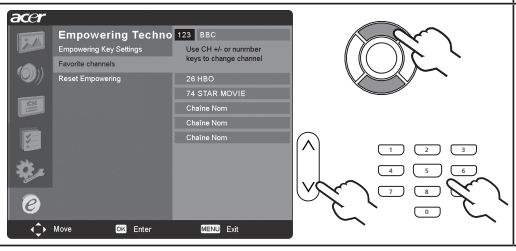
	Pressing the **Empowering Key** for less than **two seconds** will toggle between the different modes.

Mode	Information
Standard	Standard mode allows you to watch your favorite channels with sharp, brilliant imagery via adaptive brightness and contrast adjustments. Clear-sounding audio is provided by BBE performance.
Movie	For comfortably enjoying movies at home, Movie mode displays dim scenes in clear detail; compensates for color; and smoothly presents motion images. This is accomplished through optimal Gamma correction plus saturation, brightness and contrast adjustments. Movie mode makes the most of high-definition movie soundtracks by using SRS WOW technology.
Game	Game mode carefully details the exquisite graphics of modern video games, providing lifelike entertainment while protecting your eyesight by adjusting brightness and contrast. What's more, Game mode provides a heightened audio experience via BBE technology.
Sports	Sports mode is suited for outdoor sports programs, with accurate background depth and clear gradation between the bright, outdoor playing field and darker auditoriums. Sports mode also brilliantly enhances colors and presents swiftly moving pictures without residual images. All of this is achieved via specific Gamma corrections and saturation adjustments. Precise audio can be heard, thanks to BBE performance.
Concert	Concert mode places you in a virtual concert hall, opera house or other dim environment by means of adaptive brightness and contrast adjustments. Concert mode accentuates symphonic harmonies and the tenor audio range using BBE technology.

Favorite channel mode in TV

Favorite channel allows you to store five of your favorite TV channels and flick between them at the touch of a single button.

To set Favorite channel as the default, follow the steps described on page 20.

Storing favorite channels		
1		Select your desired channel, then press the **MENU** key on the remote control.
2		Use the **directional keys** to navigate the menu and select the Empowering Technology icon.
3		Navigate to a channel slot, use CH up/down or number key to change channel. There are a total of five slots in which you can store TV programs.
Viewing your favorite channels		
		On the remote control, if you press the **Empowering Key** for less than two seconds, the TV will toggle between the five stored TV channels sequentially according to your list of favorites.

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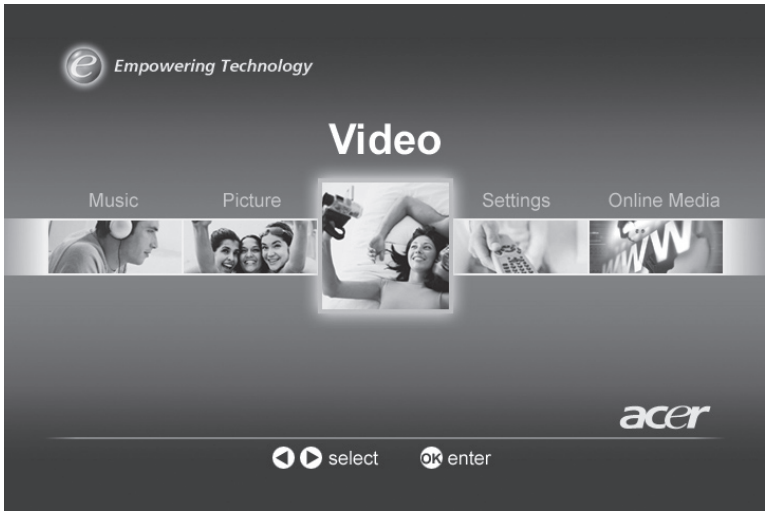
Scenario mode in Media Gateway (for MGW models only)

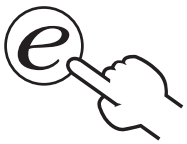
Press the **Empowering Key** and use Scenario mode to select pre-defined audio and video settings for optimal enjoyment of the following scenarios: Standard, Movie, Sport, Concert, Game, User.

See page 21 for details.

Home page in Media Gateway

Media Gateway is a handy way to quickly navigate the menus and subscreens of the Media Gateway function.





Press the **Empowering Key** less than "two seconds" at any time when using Media Gateway and you will instantly return to the Media Gateway home page, saving lots of time.

Please note that Media Gateway is not the default setting for the **Empowering Key**. To set Media Gateway as the default, follow the steps described on page 20.

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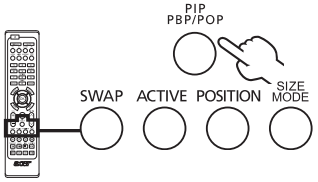
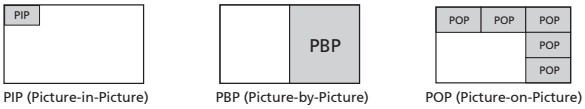
Advanced features

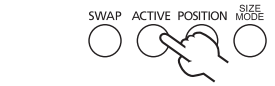
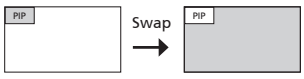
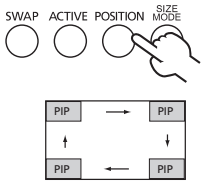
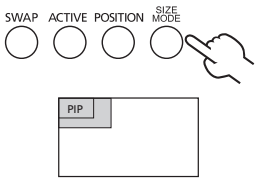
PIP/PBP/POP



- Press the PIP/PBP/POP button once to display activate picture-in-picture (PIP).
- Press the PIP/PBP/POP button twice to activate picture-by-picture (PBP).
- Press the PIP/PBP/POP button three times to activate picture-on-picture (POP). Then, the POP screens will display the TV channel programs one by one.



1. For a list of the available sources for this feature, please refer to the appendix at the end of this manual.
2. The OSD menu is not available in PIP/POP/PBP modes.

PIP		1a. Press the **ACTIVE** key to toggle between PIP screens.
		1b. Press the **TV**, **AV**, **SCART** or **PC** keys, number keys or **CH** up or down to change the content of the active screen.
		2. Press the **SWAP** key to change the content between the primary and the subscreen.
		
		3. Press the **POSITION** key to select the location of the subscreens, from lower right -> lower left -> upper left -> upper right, as shown in the image.
		4. Press the **SIZE/MODE** key to select the size of the subscreen, from 20% -> 30%, as shown in the image.

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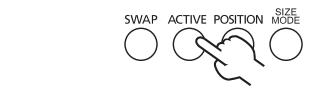
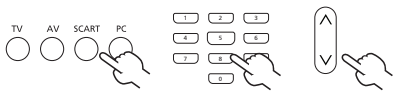
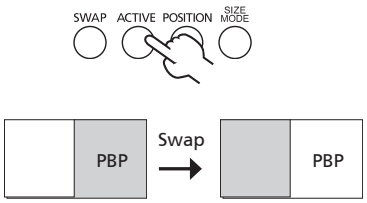
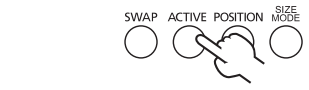
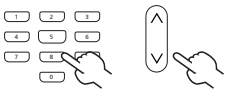
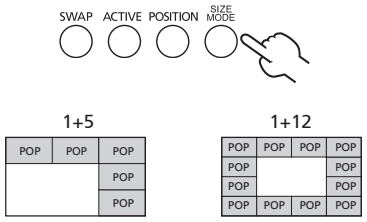
PBP		1a. Press the **ACTIVE** key to toggle between PBP screens.
		1b. Press the **TV**, **AV**, **SCART** or **PC** keys, number keys or **CH** up or down to change the content of the active screen.
		2. Press the **SWAP** key to change the content between the primary and the PBP screen.
POP		1a. Press the **ACTIVE** key to toggle between POP screens.
		1b. Press the number keys or **CH** up or down to change the TV channel on the active screen.
		2. Press the **SIZE/MODE** key to access the 1 + 5 or 1+12 picture-on-picture mode as shown in the image.

1. In PIP and PBP, the VGA and DVI sources only support input up to 1024x768 pixels at 60 Hz. For resolutions higher than this, "Out of Range" will be displayed.
2. The POP can only support 1+12 when the main screen source is HD content or in VGA mode.

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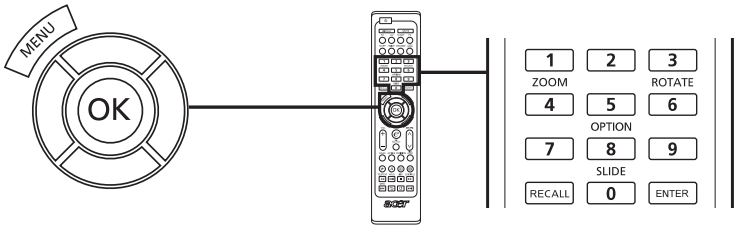
Lock TV

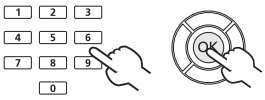
Locking TV content

Lock TV is a handy feature that can block a single channel, multiple channels or all TV sources.

Lock TV allows you to enter a password and effectively stop anyone without the password from watching TV.



To enable this feature:

Setting a personal PIN			
1			Press the **MENU** key on the remote control to bring up the OSD.
2			Use the **directional keys** to navigate to the Setting menu. Then select **Set PIN**. (see note)
3			Enter a four-digit password. Type it again and press **OK** to reconfirm.
4			Press **MENU** to exit.

The default PIN for this TV is "0000." First enter "0000" when you want to change the PIN. If you forget your PIN, please enter 6163 to reset.

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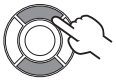
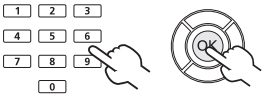
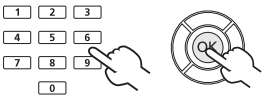
Locking a single channel

1		Navigate to the channel you wish to manage.
2		 Press the **MENU** key on the remote control to bring up the OSD.
3		Use the **directional keys** to navigate to the Channel management menu. Then select **Lock This channel**.
4		Enter your PIN. Type it again and press **OK** to reconfirm.(see page 25 note)

Locking your TV

1		 Press the **MENU** key on the remote control to bring up the OSD.
2		Use the **directional keys** to navigate to the Setting menu. Then select **Lock TV**.
3		Enter your PIN. Type it again and press **OK** to reconfirm.(see page 25 note)

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TV ratings (for digital TV mode)

Most digital TV allows you to block content according to rating systems. The rating system available is dependent on region.

DVB ratings

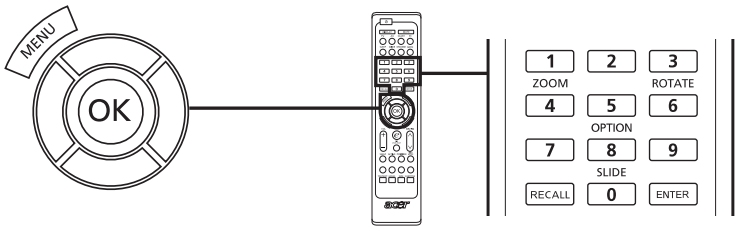
The DVB system rates content by age. The categories are increase by increments of one year from 4 to 18 years of age.

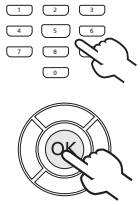
The categories are as follows:

Rating	Description
4 years	4 years and under
5 years	5 years and under
⋮	⋮
17 years	17 years and under
18 years	18 years and under

Like other rating systems, when you lock a category, all the more restricted categories will automatically be blocked.

Setting or changing the ratings



To set or change your TV ratings settings:		
1		Navigate to the channel you wish to manage and make sure that the channel is unlocked. (See page 26)
2		Press **MENU** then select Channel management from the OSD.
3		Navigate down to TV rating system and then select the categories you wish to block.
4		You will need to enter your PIN before you make any adjustments to the settings. Press **OK** to set the age-rating yourself using the **directional keys**. Press **OK** to confirm your settings.
5		Press **MENU** to exit.

The default PIN for this TV is "0000." First enter "0000" when you want to change the PIN. If you forget your PIN, please enter 6163 to reset.

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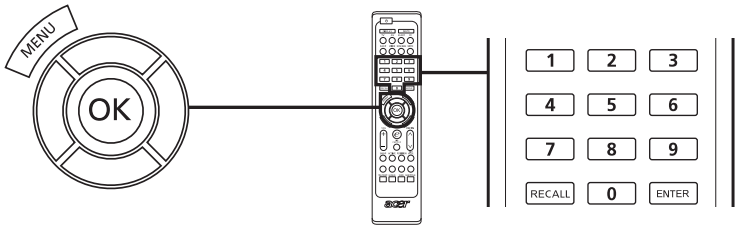
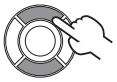
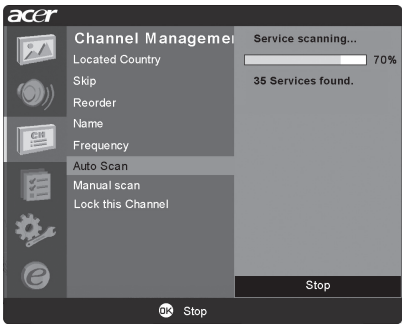
Re-scan for channels

The first time you completed the setup wizard, all available channels were listed. If you need to re-scan for new channels, please follow the steps below:



		Scanning for channels	Auto-scan
1		Press the **MENU** key on the remote control to bring up the OSD.	
2		Use the **directional keys** to navigate and select Channel Management.	
3		Highlight **Auto Scan**. Then, select Start and press **OK** to begin.	
4	Analog TV  Digital TV 		
6		Select **OK** and press **MENU** to exit.	

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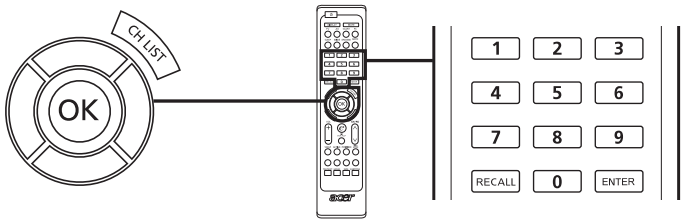
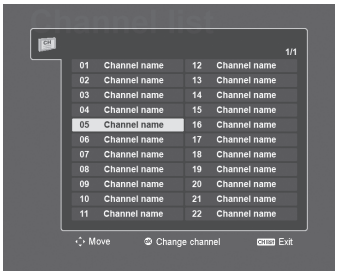
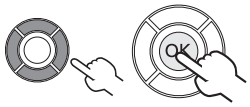
Channel list (for digital TV mode)

Channel list allows you to quickly find the TV channel you are searching for.



To open the channel list feature:		
1		Press the **CH LIST** key on the remote control. This will bring up the channel list menu.
2	 Channel list 1/1 01 Channel name 02 Channel name 03 Channel name 04 Channel name 05 Channel name 06 Channel name 07 Channel name 08 Channel name 09 Channel name 10 Channel name 11 Channel name 12 Channel name 13 Channel name 14 Channel name 15 Channel name 16 Channel name 17 Channel name 18 Channel name 19 Channel name 20 Channel name 21 Channel name 22 Channel name Move Change channel Exit	The current channel will be highlighted.
3		Use the **directional keys** to navigate the list and select the channel you wish to watch. Press **OK** to select your desired channel and exit the channel list.

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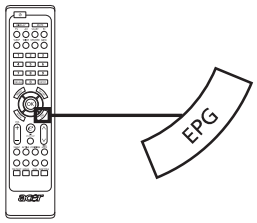
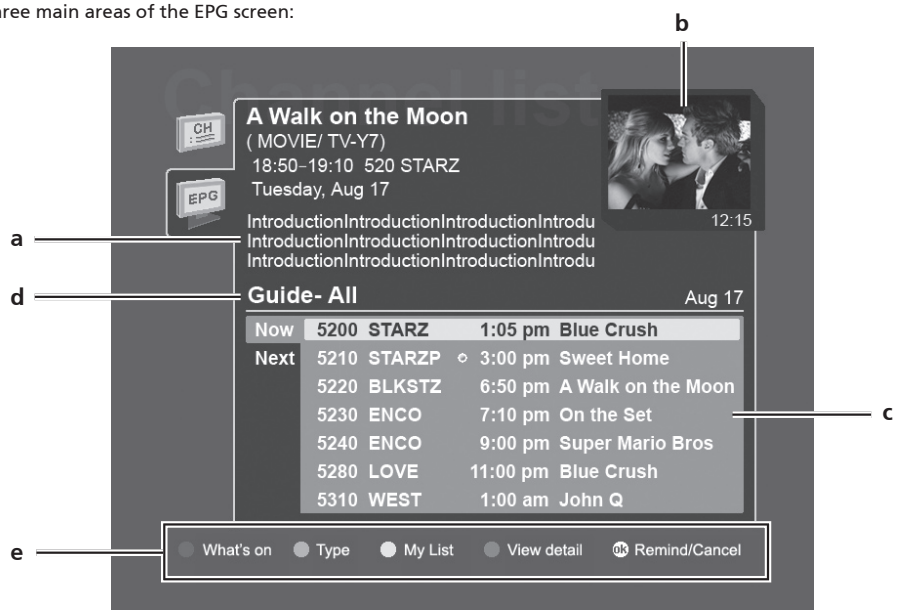
Electronic program guide (for digital TV mode)

The electronic program guide (EPG) is an onscreen service available on digital and cable TV that provides information about scheduled broadcast programs on all channels by time, title, channel and genre.



EPG screen

There are three main areas of the EPG screen:



a. Program introduction area

A short description of the highlighted program is located at the top center of the EPG page; lengthy descriptions will be cut short using "..." to indicate extra text.

Highlight the introduction and press **OK** to view the whole introduction section on a separate page.

b. Preview area

In the top right-hand corner of the EPG screen is the preview area. The preview area will show live TV content from the channel currently highlighted.

Highlight a new channel or program and press **OK** to display it in the preview area.

c. Content area

The content area is divided into three columns: date, channel and program.

Use the directional keys and the OK key to navigate between the items in the content area.

Highlight a new program and press **OK** or the blue key to display the program in the preview and introduction areas.

d. Type

The type area indicates the genre that has been selected. The selection of available genres depends on your service provider.

e. Indication

This area of the EPG indicates which shortcut keys can be used while on an EPG screen.

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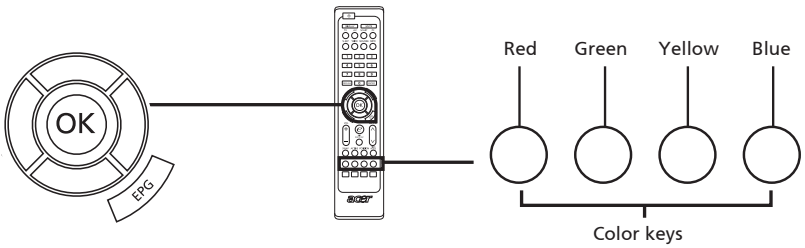
Navigating the EPG (for Digital TV mode)



1		Press the **EPG** key on the remote control.
2		Use the **directional keys** to navigate around the EPG menu and press **OK** to select your highlighted option.

short-cuts		EPG features	
When in EPG mode the color shortcut buttons can be used for special functions.			
Red	Press the **red** key to go to the "What's On" screen. This contains a list of channels and scheduled programs.	What's On	In the "What's On" screen you can also view upcoming shows by selecting **Next**.
Green	Press the **green** key to go to the "Type" selection screen.	Type	The type feature can help you to select a certain category of programs that you may wish to watch. Select a program type and press **OK** to show all the programs that are listed in that category.
Yellow	Press the **yellow** key to go to the "My List" page.	My List	The "My List" page contains a list of programs that you have selected to watch.
Blue	Press the **blue** key to view details of the selected item.	View detail	The "View detail" screen allows you to view program information like time, date, and channel.
OK	Press the **OK** key to view details of the selected item	Remind Feature	While in the EPG pages, pressing **OK** will enable the remind feature. Each time you select a show and push **OK**, a marker will appear on the left side of the program name. Then, when your selected program is due to start, a reminder will flash on the screen to warn you. The remind feature will also warn you of any conflicts in your selections, e.g., if you select two shows that are due to be broadcast at the same time.

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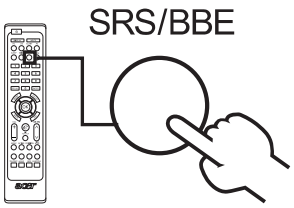
Audio effects

Your Acer LCD TV is equipped with high-quality sound specifications to ensure that you enjoy the best audio experience possible.



SRS WOW

SRS WOW is a special combination of SRS audio technologies that creates a thrilling experience with deep, rich bass from any stereo sound source. Your audio sounds fuller, richer and wider. Based on the elements of SRS 3D technology, WOW restores the spatial cues and ambient information that are lost during standard stereo playback.

To enable SRS WOW: Press the **SRS/BBE** key on the remote control.

BBE Digital

All sound that is amplified through a loudspeaker suffers some loss of fidelity, or subtle distortions, caused by the inherent characteristics of the loudspeaker. BBE Digital addresses these problems by compensating for phase and amplitude distortions and, in effect, delivers the signal to the speaker in a form that allows it to reproduce the original performance more fully and more faithfully.

To enable BBE Digital, press the **SRS/BBE** key on the remote control.

Dolby Digital (Digital TV only)

Dolby Digital surround sound is a technology that delivers high-quality digital audio for up to 5.1 discrete channels (Left/Center/Right/Left Surround/Right Surround/Low-Frequency Effects). The five speaker channels produce a directional and more realistic effect and the Low-Frequency Effects (LFE) channel (usually reproduced through a subwoofer) can often be felt as well as heard.

Dolby Digital technology is found in: broadcast programming in HDTV, digital cable, and (DBS, DTH) direct broadcast satellite (DirecTV/Dish/Sky TV); digital TVs; networking and home audio/video receivers.

The Acer LCD TV is Dolby Digital ready. It is enabled whenever your TV signal is broadcast in the Dolby Digital format.

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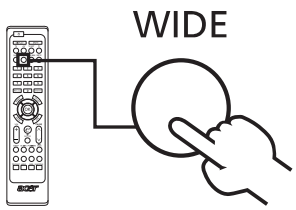
Widescreen display mode

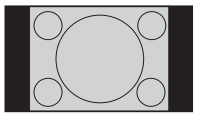
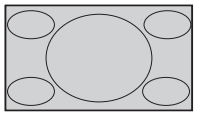
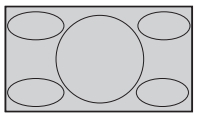
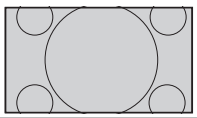
Your Acer LCD TV has a special widescreen mode that allows you to toggle between 4:3, 16:9, Panorama, and Letterbox 1, 2 and 3 type views.

Press the **WIDE** key on the remote control to toggle the display between the four wide modes.

Wide mode

The Acer LCD contains four widescreen modes, including 4:3, 16:9, Panorama, and Letterbox 1, 2 and 3.



4:3 	For 4:3 standard pictures. A side bar appears on each side.
16:9 	In this mode, the whole picture is stretched toward each side of the screen.
Panorama 	In this mode, the picture is progressively stretched toward each side of the screen.
Letterbox 1, 2, and 3 	In this mode, the picture is enlarged linearly to fit the screen. The top and bottom portions of the picture may be cut off.

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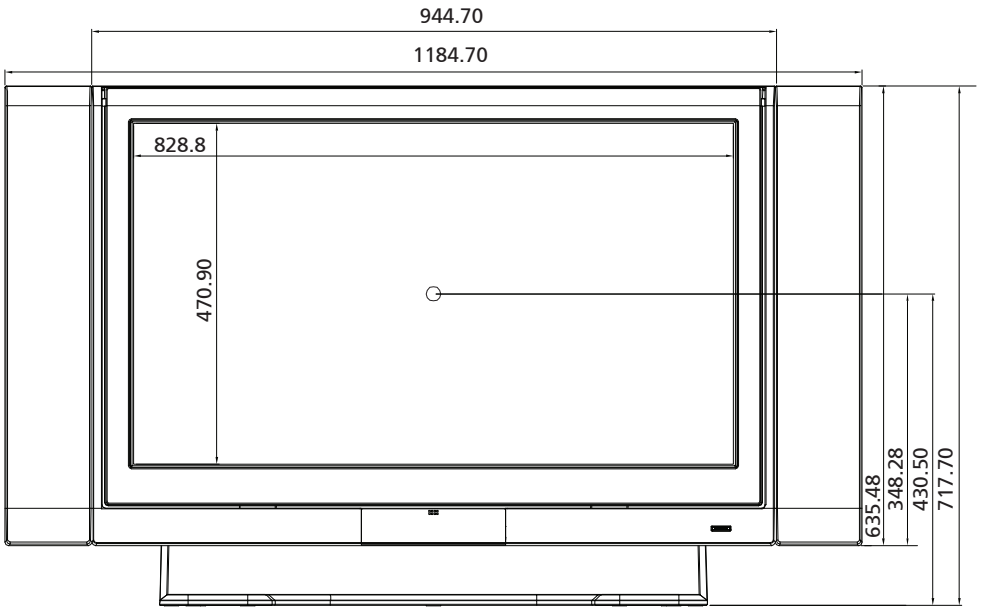
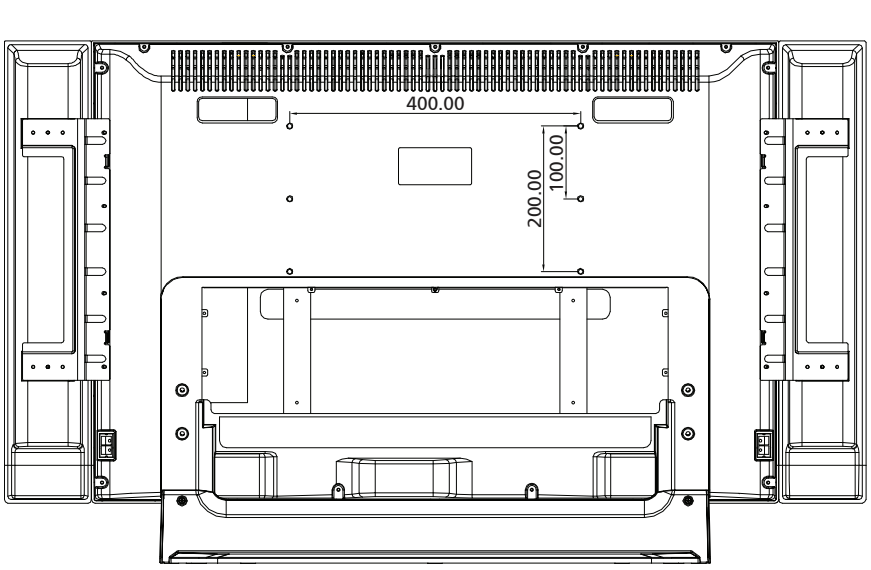
English

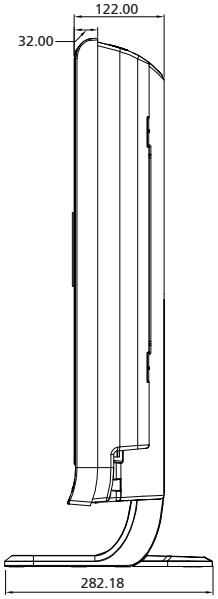
Dimensions

AT3705-MGW

AT3705-DTV







Unit: mm

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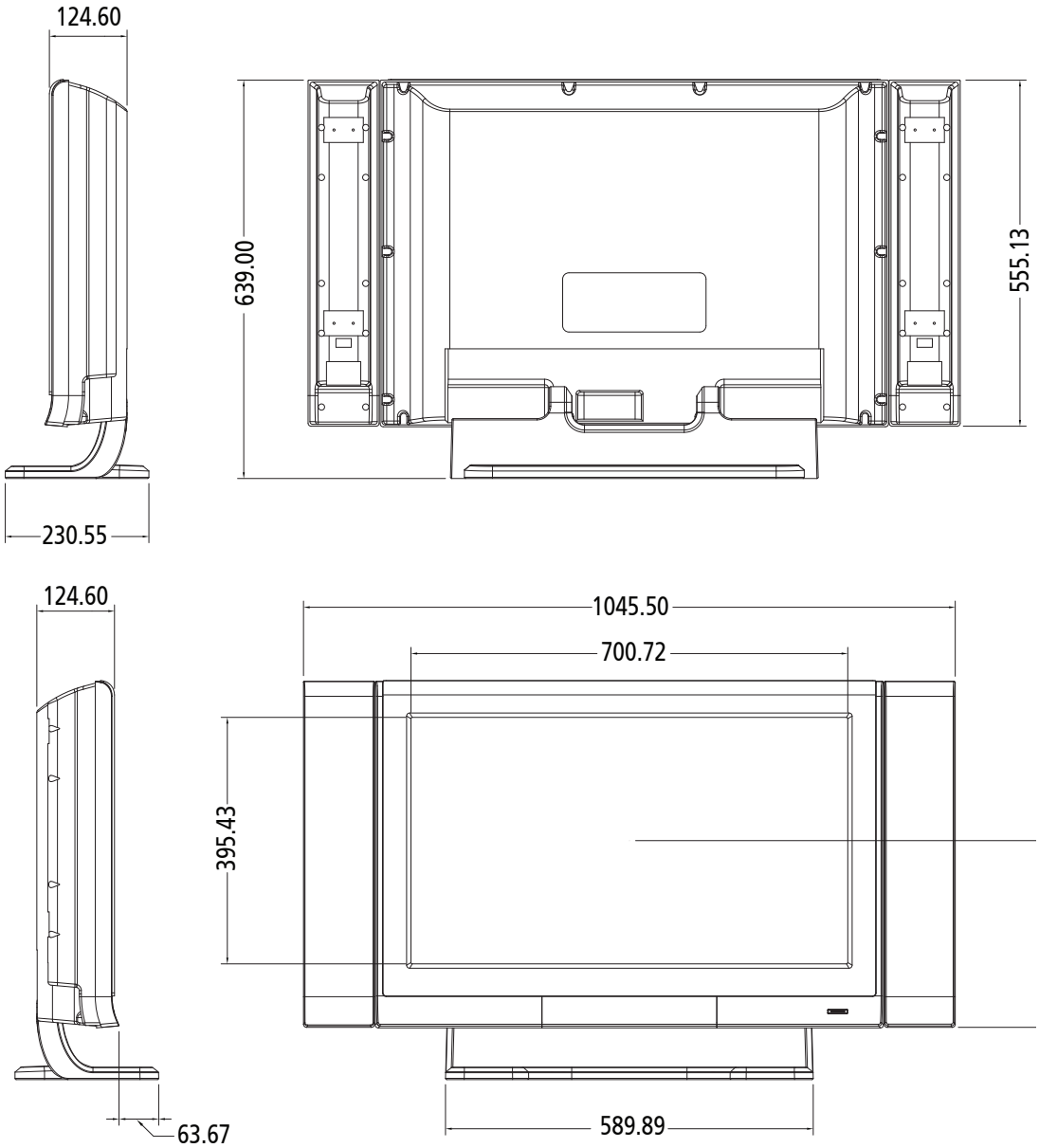
AT3205-DTV



Unit: mm

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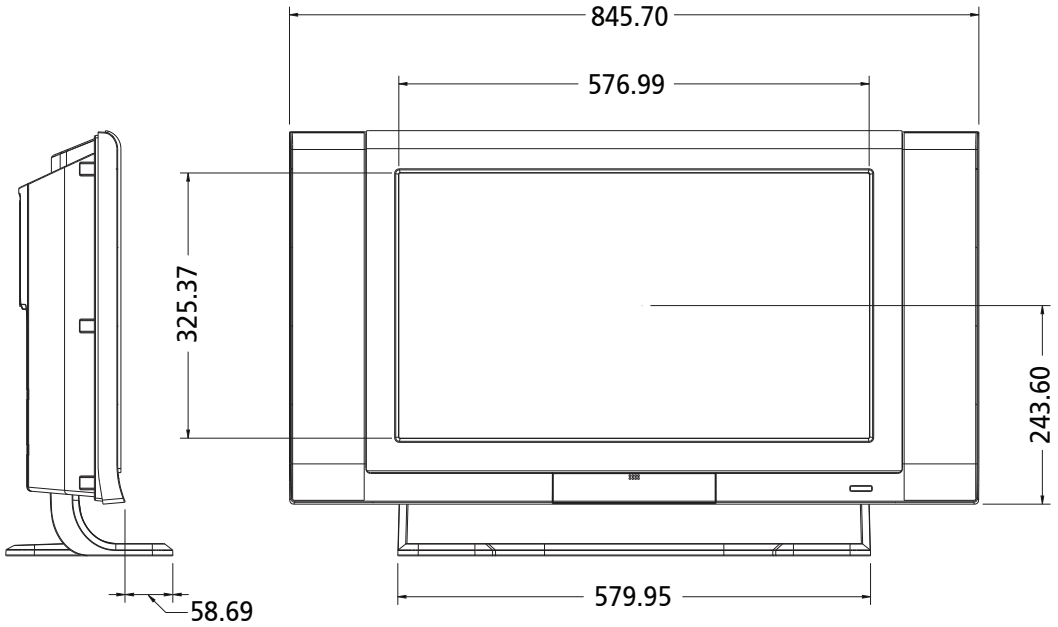
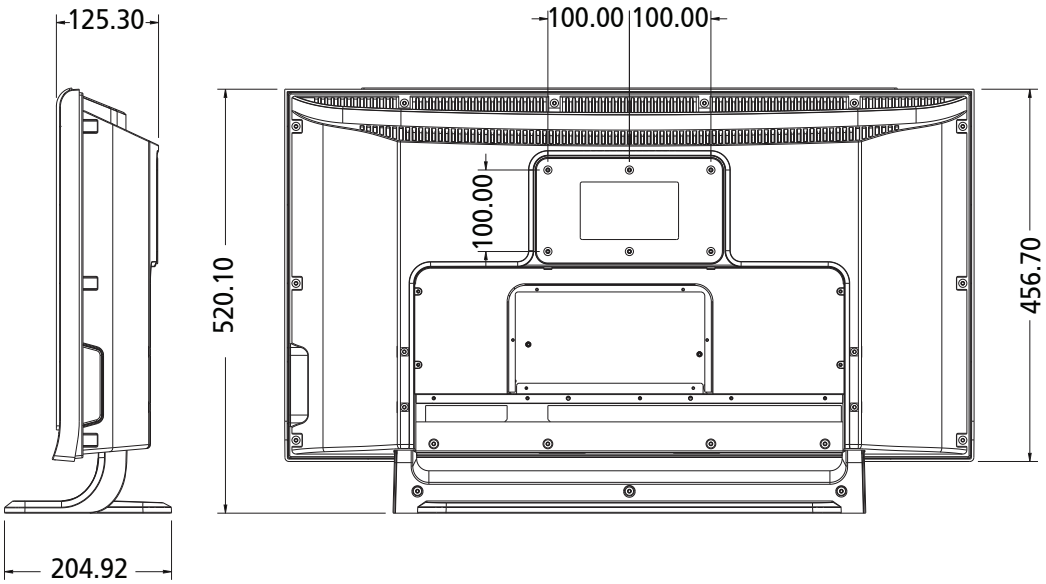
English

AT2605-DTV





Unit: mm

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Appendix-Source Options

PIP/PBP

Main / Sub	ATV	SCART1	SCART2	SCART3	SCART4 (*)	Component 1	Component 2 (*)	AV1	AV2	DTV	MGW/Card	VGA	DVI	HDMI
ATV	X	●	●	●	●	●	●	●	●	●	●	●	●	●
SCART1	●	X	●	●	●	●	●	●	●	●	●	●	●	●
SCART2	●	●	X	●	●	●	●	●	●	●	●	●	●	●
SCART3	●	●	●	X	●	●	●	●	●	●	●	●	●	●
SCART4 (*)	●	●	●	●	X	●	●	●	●	●	●	●	●	●
Component 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Component 2 (*)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AV1	●	●	●	●	●	●	●	X	●	●	●	●	●	●
AV2	●	●	●	●	●	●	●	●	X	●	●	●	●	●
DTV	●	●	●	●	●	●	●	●	●	X	●	●	●	●
MGW/Card	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VGA	●	●	●	●	●	X	X	●	●	●	X	X	X	X
DVI	●	●	●	●	●	X	X	●	●	●	X	X	X	X
HDMI	●	●	●	●	●	X	X	●	●	●	X	X	X	X

POP

Main / Sub	ATV	SCART1	SCART2	SCART3	SCART4 (*)	Component 1	Component 2 (*)	AV1	AV2	DTV	MGW/Card	VGA	DVI	HDMI
ATV	X	●	●	●	●	●	●	●	●	●	●	●	●	●
SCART1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SCART2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SCART3	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SCART4 (*)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Component 1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Component 2 (*)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AV1	X	X	X	X	X	X	X	X	X	X	X	X	X	X
AV2	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DTV	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MGA/Card	X	X	X	X	X	X	X	X	X	X	X	X	X	X
VGA	X	X	X	X	X	X	X	X	X	X	X	X	X	X
DVI	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HDMI	X	X	X	X	X	X	X	X	X	X	X	X	X	X

●: Supported
X: Not supported
*: For AT3705 models only.

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Troubleshooting

Before you call the Acer service center, please check the following items:

Here is a list of possible situations that may arise during the use of your LCD TV. Easy answers and solutions are provided for each.

There is no picture or sound.

- Make sure the power cord is properly inserted in the power outlet.
- Make sure the input mode is correctly set by your selected input.
- Make sure the antenna at the rear of the TV is properly connected.
- Make sure the main power switch is turned on.
- Make sure the volume is not set to minimum or the sound is not set to mute.
- Make sure the headphones are not connected.
- Reception other than those of broadcasting stations can be considered.

Picture is not clear.

- Make sure the antenna cable is properly connected.
- Consider whether your TV signal is being properly received.
- Poor picture quality can occur due to a VHS camera, camcorder, or other peripheral being connected at the same time. Switch off one of the other peripherals.
- The 'ghost' or double image may be caused by obstruction to the antenna due to high-rise buildings or hills. Using a highly directional antenna may improve the picture quality.
- The horizontal dotted lines shown on the pictures may be caused by electrical interference, e.g., hair dryer, nearby neon lights, etc. Turn off or remove these.

Picture is too dark, too light or tinted.

- Check the color adjustment.
- Check the brightness setting.
- Check the sharpness function.
- The fluorescent lamp may have reached the end of its service life.

Remote control does not work.

- Check the batteries of the remote control.
- Make sure the remote sensor window is not under strong fluorescent lighting.
- Try to clean the remote control sensor lens on the TV with a soft cloth.
- Use the buttons (hotkeys) on the TV before the remote control works.

If the above suggestions do not solve your technical issue, please refer to the warranty card for service information.

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For MGW models only:

I can't find any of my music, pictures or video, or access online radio.

- You must ensure that your media server is switched on and that it is not in Standby mode. To make your content available around the clock you may need to adjust your power settings.
- Make sure that the eConsole software is running on your PC; the icon should appear in your PC taskbar.
- Make sure that the media server is enabled and that your LCD TV has access to the files. You can check this on the opening page of the eConsole software.
- Check your network settings are correct; and if you are using a wired network, that all the connections are correctly attached.
- If using a static IP address, verify that the values are in the same range as your other network devices and that the address is not already being used by another device.
- Online radio can only be only accessed if your TV is connected to a network through an AP or router, and an open Internet connection.

I am not able to play certain media files.

- Check that the files are in a format supported by the MGW function. Unsupported files may need to be converted before they can be played. For more details see the Specifications section for a list of supported formats.

I cannot see a playlist on my TV.

- You must make sure that the playlist is contained in a shared folder that the TV has access to. For details please refer to the eConsole User's Guide on the MGW CD.

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Product specifications

Model	AT3705-DTV/AT3705-MGW
Panel spec	
Resolution (pixels)	1920 x 1080
Power supply	
Input	100 to 240 V AC
Max. power consumption	280 W
Power saving	5 W
Mechanical	
Dimensions (W x H x D mm)	1185 x 724 x 285
Weight (kg)	36
Weight (lbs.)	79.4
Wall-mounting holes	400 mm x 200 mm
Analog TV system	
Color system	PAL, SECAM
Sound system	B/G/D/K/I/L (multi-European)
Stereo system	NICAM/A2
Subtitle	Teletext 1.5
TV-tuner quantity	1
Digital TV system	
Digital TV standard	DVB-T
TV-tuner quantity	1
Frequency	7/8 MHz
Terminal	
SCART1	CVBS, S-video, RGB, Audio R/L
SCART2	CVBS, S-video, Audio R/L
SCART3	CVBS, S-video, RGB, Audio R/L
SCART4	CVBS, S-video, Audio R/L
Component1 (HD)	YPbPr/YCbCr, Audio R/L
Component2 (HD)	YPbPr/YCbCr, Audio R/L
AV1	CVBS, S-video, Audio R/L
AV2	CVBS, Audio R/L
AV-out	CVBS, Audio R/L
PC D-sub	yes
DVI-D (HD)	yes (with HDCP)
HDMI (HD)	yes (with HDCP)
PC audio-in	yes
SPDIF-out	yes
Headphone support	yes
Audio system	
Speakers	15 W + 15 W
Sound effects	BBE Digital, SRS WOW
Digital audio effects	Dolby Digital

MGW specs

Formats supported	CF, MMC, MS, MS PRO, SD	**Audio**	LPCM, MP3, WMA7/8/9, WAV
Video	MPEG1/2/4, DivX, XViD, WMV9, Quicktime (*.mp4);	**Picture**	JPEG, TIFF, BMP, GIF, PNG
	High Definition: MPEG2 (up to 1080i), MPEG4 (720p), WMV9 (720p)	**Playlists**	M3U, PLS
Online media	Live365	**Operating system**	Linux
Compliance	UPnP compliant, INMPR compliant, DLNA	**Networking**	WLAN: IEEE 802.11b/g (up to 54 Mb/s) Fast Ethernet (up to 100 Mb/s)

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Model	AT3205-DTV	AT2605-DTV
Panel spec		
Resolution (pixels)	1366 x 768	1366 x 768
Power supply		
Input	100 to 240 V AC	100 to 240 V AC
Max. power consumption	180 W	150 W
Power saving	5 W	5 W
Mechanical		
Dimensions (W x H x D mm)	980 x 600 x 252	854 x 527 x 207
Weight (kg)	19.5	15.5
Weight (lbs.)	43	34.2
Wall-mounting holes	400 mm x 200 mm	200 mm x 100 mm
Analog TV system		
Color system	PAL, SECAM	PAL, SECAM
Sound system	B/G/D/K/I/L (multi-European)	B/G/D/K/I/L (multi-European)
Stereo system	NICAM/A2	NICAM/A2
Subtitle	Teletext 1.5	Teletext 1.5
TV-tuner quantity	1	1
Digital TV system		
Digital TV standard	DVB-T	DVB-T
TV-tuner quantity	1	1
Frequency	7/8 MHz	7/8 MHz
Terminal		
SCART1	CVBS, S-video, RGB, Audio R/L	CVBS, S-video, RGB, Audio R/L
SCART2	CVBS, S-video, Audio R/L	CVBS, S-video, Audio R/L
SCART3	CVBS, S-video, RGB, Audio R/L	CVBS, S-video, RGB, Audio R/L
Component1 (HD)	YPbPr/YCbCr, Audio R/L	YPbPr/YCbCr, Audio R/L
AV1	CVBS, S-video, Audio R/L	CVBS, S-video, Audio R/L
AV2	CVBS, Audio R/L	CVBS, Audio R/L
AV-out	CVBS, Audio R/L	CVBS, Audio R/L
PC D-sub	yes	yes
DVI-D (HD)	yes (with HDCP)	yes (with HDCP)
HDMI (HD)	yes (with HDCP)	yes (with HDCP)
PC audio-in	yes	yes
SPDIF-out	yes	yes
Headphone support	yes	yes
Audio system		
Speakers	10 W + 10 W	5 W + 5 W
Sound effects	BBE Digital, SRS WOW	BBE Digital, SRS WOW
Digital audio effects	Dolby Digital	Dolby Digital

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